Patent claims:

1. A support element, comprising a top plate (2) and a spring element (3) arranged thereon, whereby the spring element (3) is formed helically and in the shape of a cone, characterised in that the top plate (2) is formed of plastic, that the spring element (3) is formed of plastic, and that the spring element (3) has a multiple-stranded design.

2. A support element according to claim 1, characterised in that the spring element (3) is arranged interchangeably on the top plate (2).

3. A support element according to one of the preceding claims, characterised by a connecting element (4) which, for the purpose of fastening said spring element (3) on a carrier plate (16), is arranged on said spring element (3) opposite of the top plate (2).

4. A carrier plate for the arrangement of a support element (1) according to one of the claims 1 to 3, characterised in that the carrier plate (16) is formed such that it can be connected with said support element (1), for which purpose the carrier plate (16) has a receptacle (17) formed corresponding to the connecting element (4) of the support element (1) and that the carrier plate (16) is made of plastic.

5. A spring element with at least two spiral and/or helically shaped strip elements consisting of plastic and formed as injection moulded parts, whereby the strip elements interact in such a way that they give resiliently when force is applied, whereby the spring effect of the strip elements can be predetermined by a suitable choice of geometry and/or material.

6. A spring element with two spiral or helically shaped strip elements formed as spring arms (21), a base section (20), and a top section (19) located opposite of the base section (20) in height direction (27), whereby each of the base section (20), the top section (19), and the spring arms (21) consist of plastic and are formed as injection moulded parts.

7. A spring element according to claim 6, characterised in that the top section (19) comprises stiffening ribs (25) on its bottom side (28) facing the base section (20).

8. A spring element according to claim 8, characterised in that the spring body (22) formed by the spring arms (21), starting from the top section (19), has a tapered form in the shape of a cone.

9. A spring module formed of a spring element (18) according to one of the claims 6 to 8 and a top plate arranged on the top section side of the spring element (18).

10. A receiving element for the at least area-wise accommodation of a mattress, a pad or the like, whereby several receiving elements (38) arranged side by side form a common support surface (64), characterised in that it is plate-shaped in dish style and has means for a detachable arrangement (45) on a carrier element (46).

11. A receiving element according to claim 10, characterised in that it is formed in one piece and consists of plastic.

12. A receiving element according to claim 10 or 11, characterised in that it comprises a circular section (39) on the one hand and a surface section (40) arranged thereon, on the other hand.

13. A receiving element according to claim 10, 11 or 12, characterised in that the surface section (4) has ribs (42) on the side facing the mattress, the pad, or the like.

14. A connector (66) for the arrangement of a functional element (79) on a basis (78), with a plug-shaped section (67), which can be inserted into a recess (82) formed on the basis (78), for which purpose the plug-shaped section (67) is formed corresponding to the recess (82) of the basis (78), whereby the plug-shaped section (67) in turn comprises a recess (71) to accommodate a connecting element (80) arranged on the functional element (79).

15. A connector according to claim 14, characterised in that the plug-shaped section (67) comprises reinforcing ribs (75) on its outer circumference side which are

extending radially outward.

16. A connector according to claim 14 or 15, characterised in that the plug-shaped section (67) has a collar (68) on the other end which, in mounted condition of the connector (66), rests against the upper side of the basis (78).

17. A connector according to claim 16, characterised in that the collar (68) comprises a sealing lip.

18. A connector according to claim 16 or 17, characterised in that the collar (68) comprises sealing lamellas (70) on its bottom side facing the basis (78).

19. A device for the accommodation of pads for padding sitting and/or lying furniture, with a plurality of support elements (84) arranged adjacent to each other, whereby each support element (84) comprises a spring element (85) and a pad receptacle (86) arranged thereon, whereby the spring element (85) has a multiple-stranded design and comprises at least two spiral and/or helically shaped spring arms (87, 88) and whereby the spring element (85) consists of plastic.

20. A device according to claim 19, characterised in that the pad receptacle (86) consists of plastic.

21. A device according to claim 19 or 20, characterised in that the pad receptacle (86) is formed polygonally, preferably pentagonally or hexagonally.

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